

### ABSTRACT OF THE DISCLOSURE

A procedure for establishing a connection between a mobile station and a communication network through an access point involves selection of communication parameters. The procedure automatic recognizes currently available connections possibilities to various communication networks of various standards, and stores and analyzes found parameters for the standards and the establishment and maintenance of a connection with one of the found connection possibilities. The automatic recognition includes investigation of connection possibilities of networks with differing standards and frequency bands. In the procedure, a check of the connection possibilities within a first selected standard is carried out, then within a second selected standard is carried out. Parameters characterizing the standard with which a connection possibility is found are stored. A connection is established to an access point with which communication occurs using a standard after program controlled or manual selection of selection criteria.